

OWNER'S MANUAL

For Model P10-501

Stainless Steel Gas Grill



U.S. PATENTS
4,788,962
5,330,154
5,413,090
D 292,163
Other Patents and
Design Patents Pending



Made in the
USA 

For questions regarding performance, assembly, operation, parts, or returns, contact the experts at MAGMA by calling **(562) 627-0500** 7:00 a.m. - 5:00 p.m. Pacific Time Monday thru Friday or e-mail us at mail@MagmaProducts.com



Read these instructions carefully before use. Familiarize yourself with the appliance before connecting it to its gas container. Keep these instructions for future reference.

IMPORTANT SAFETY WARNINGS

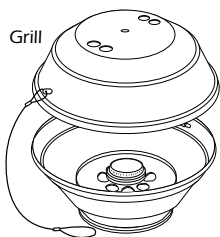
READ ALL INSTRUCTIONS BEFORE OPERATING.

- USE OUTDOORS ONLY.
- DO NOT USE THIS APPLIANCE INSIDE THE BOAT OR ANY ENCLOSED SPACE.
- GRILLS RADIATE HEAT. CLEARANCE FROM COMBUSTIBLES, 24" SIDES AND BACK. NEVER USE UNDER AWNINGS, PATIO COVERS, ETC.
- USE PROPANE GAS ONLY. FUEL STORAGE SHOULD BE IN COMPLIANCE WITH THE AMERICAN BOAT AND YACHT COUNCIL (ABYC) STANDARDS A-1 (9), MARINE LIQUIFIED PETROLEUM GAS (LPG) SYSTEMS.
- FOR NATURAL GAS APPLICATION CONTACT MAGMA.
- ALWAYS LIGHT GRILL WITH LID OPEN.
- NEVER LEAVE HOT GRILL UNATTENDED.
- DO NOT OVERHEAT GRILL, SEE OPERATING INSTRUCTIONS
- ALWAYS TURN GRILL OFF AFTER USE.
- USE GLOVE OR HOT PAD WHEN HANDLING HOT GRILL.
- NEVER LEAVE GAS CYLINDERS AND REGULATOR CONNECTED WHEN STOWED.
- STORE GAS CYLINDERS IN WELL VENTILATED AREA.
- DO NOT STORE GAS CYLINDERS INDOORS, IN DIRECT SUNLIGHT, BELOW DECKS ON BOATS, OR IN LOCKERS NOT APPROVED FOR BUTANE OR PROPANE STORAGE.
- CAUTION: CHECK FOR GAS LEAKS EACH TIME CYLINDER IS CHANGED.
- NEVER CHECK FOR GAS LEAKS WITH A FLAME!
- DO NOT BLOCK, RESTRICT, OR OTHERWISE OBSTRUCT COMBUSTION OR VENTILATION AIR OPENINGS.
- DO NOT MODIFY THIS APPLIANCE.
- CHECK THAT VALVE SEALING WASHER (A) IS IN PLACE AND IN GOOD CONDITION BEFORE CONNECTING THE GAS CONTAINER.
- INSTALL CANISTERS IN WELL VENTILATED AREA AND AWAY FROM OPEN FLAME, HEAT SOURCE OR SPARKS. KEEP AWAY FROM OTHER PEOPLE OR FLAMMABLE MATERIALS.

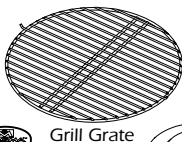


CALIFORNIA PROPOSITION 65 – WARNING – The burning of gas cooking fuel generates some by-products, which are on the list of substances, which are known by the State of California to cause cancer or reproductive harm. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to these substances, always operate this unit according to the use and care manual, ensuring you provide good ventilation when cooking with gas.

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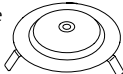
Grill



Grill Grate



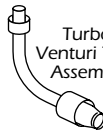
Knob



Radiant Plate



"L" Bracket
& Clamp
Assembly



Turbo
Venturi Tube
Assembly

Control Valve/
Regulator-Type I



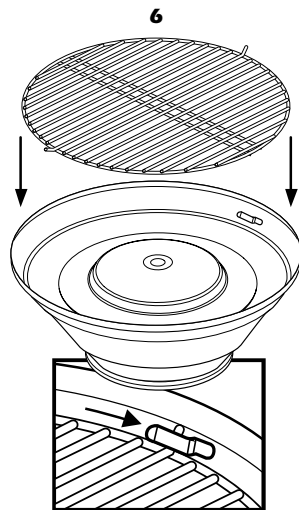
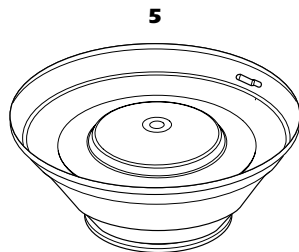
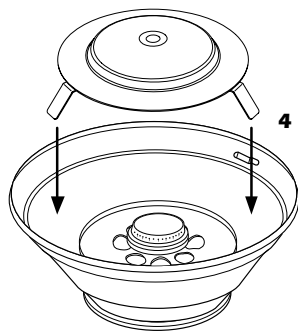
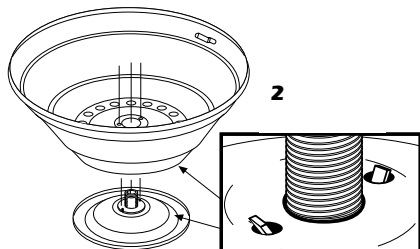
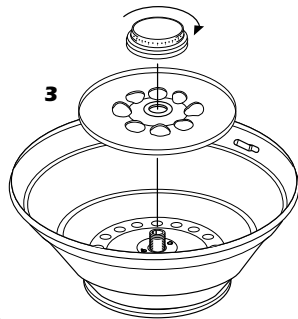
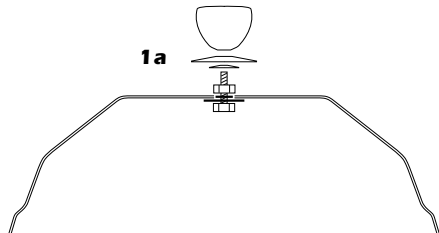
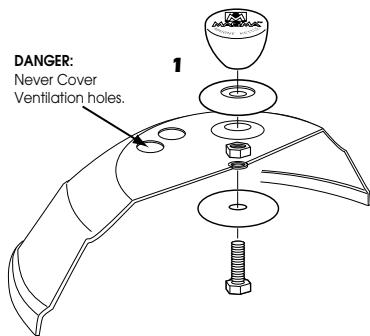
Tools
Needed

Two
9/16"
Wrenches
not included

Each Magma® Gas Grill is individually fire tested before it leaves the factory.
For this reason, the burner on your grill may be slightly discolored.

SETTING UP YOUR GRILL

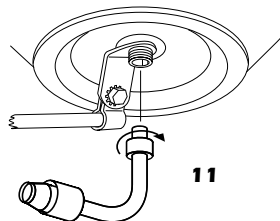
DANGER:
Never Cover
Ventilation holes.



Mounts sold separately. See our website www.MagmaProducts.com for mounting options.



- 7** Select and install appropriate Magma mount in your desired location. Prior to installing the grill, check that mount does not easily move with a reasonable force applied.
- 8** Next, decide if gas control valve will be easier to access from the center right side or center left side of grill. This will be based on your placement of the mount (**see picture front cover**). Now, slide L-Bracket & Clamp on to mount knurled rod so that the threaded flat L-portion of the L-Bracket points in that direction (see above).
- 9** Adjust threaded flat surface of L-Bracket to level position and tighten firmly with two 9/16" or adjustable wrenches so that L-Bracket & Clamp cannot be moved. NOTE: Level positioning is critical for even temperatures across the cooking surface.
- 10** Carefully hold the grill body, with the lid closed, and thread on to L-Bracket **VERY TIGHT** so that grill does not unthread easily. Check that grill is tight and level prior to proceeding.
- 11** Insert the venturi tube into the threaded pipe on the bottom of the grill body and firmly tighten the threaded nut so nut doesn't turn while rotating the turbo venturi tube. Note: venturi tube should still rotate freely. Venturi tube should be stowed with valve in a clean dry environment when not in use. (See "Stowing Tips" page 6) Before each use, prior to inserting venturi tube, check that the threaded pipe is free of spider web obstructions.

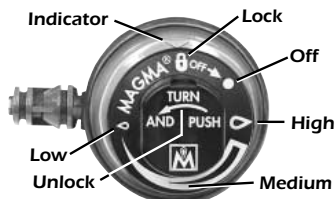
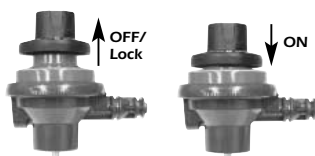


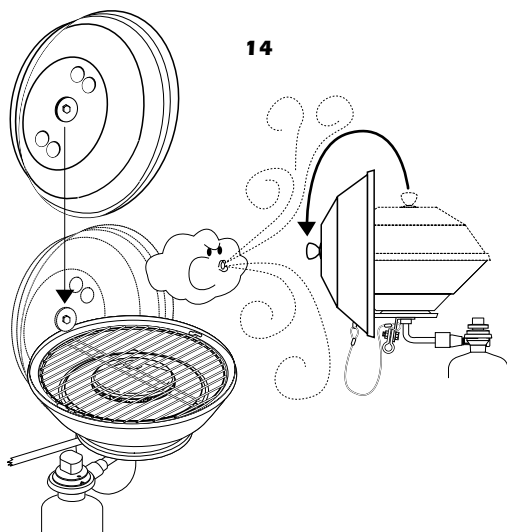
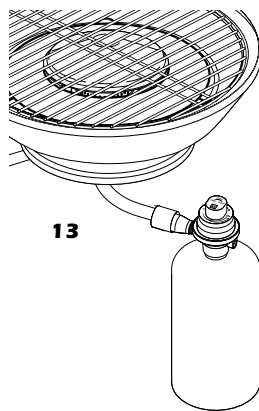
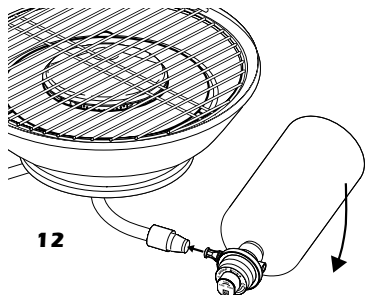
CONNECTING FUEL SOURCE

CONTROL VALVE REGULATOR

- Uses standard 1-lb. disposable propane canisters (DOT-39 NRC 228/286).
- Prior to installing valve, become familiar with the valve function and graphics on valve knob. Never force the knob. Always turn or push gently.
- Turn control valve to "lock" and install gas canister being careful not to cross the threads. Check for leaks prior to use, by brushing soapy water solution around threads and orifice hole checking for bubbles.

Valve will feel loose and will rotate easily. Even though the valve feels loose, it is designed that way and will not leak. The valve was designed to be loose fitting in order to allow safe, easy installation and removal of the propane canister and so it easily swings without resistance to fit all applications.



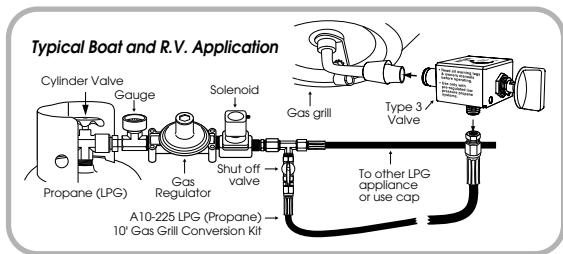


USING GRILL WITH ON-BOARD LPG (PROPANE) SYSTEMS

- Magma On-Board LPG (Propane) Valves and Hose Kits allow Magma Grills to be installed within a boats existing on-board, pre-regulated low pressure LPG (Propane) system.
- Use only **Magma Type 3 Low Pressure LPG (Propane) Valves**. See our **Valve Application Guide** at **[www. MagmaProducts.com](http://www.MagmaProducts.com)** for correct valve.
- In North America use **Magma A10-225 LPG 10' Hose Kit** in conjunction with **Type 3 Valve**. Outside North America check your local dealer for proper hose and fittings.
- A primary shutoff valve (**supplied with A10-225 hose kit**) must be used with this control valve at point of connection into your system. This allows shut off of gas supply to hose leading to grill.



Gently insert valve stem into venturi tube upside down until fully inserted and rotate as shown.



IMPORTANT!!


- **DO NOT CONNECT A HIGH-PRESSURE SUPPLY HOSE FROM A NON-REGULATED TANK DIRECTLY TO GRILL.**

Magma's grills are designed for use with small disposable propane canisters or with pre-regulated low-pressure propane and optional low-pressure valves. Running high-pressure propane fuel supply lines on a boat is in violation of American Boat & Yacht Council (ABYC) guidelines and is not considered a safe application. Additionally, impurities found in larger refillable propane tanks may clog the small orifices in the high-pressure control valve/ regulator causing it to lose performance capabilities and eventually fail. Regulating these tanks to 1/2 PSI and using this pre-regulated propane with the correct low-pressure valve will insure safe, efficient performance of the grill.

OPERATING PROCEDURES

WARNING: Do not overheat grill. Magma grills do not require pre-heating. Stainless Steel loses anti-corrosive characteristics when subjected to extreme heat. Most grilling is done on low temperature with the lid closed. If medium or high heat is required, grill with lid open.

LIGHTING INSTRUCTIONS

- Open lid during lighting, hang lid on side of the grill to block the wind (see 14).
- When igniting grill, use a long nozzle butane lighter.
- To ignite grill, first ignite lighter or match flame, put flame to outer edge of Radiant Plate, then turn valve to high "large ".
- To grill, cook with lid on.

To help create your own Magma gourmet experience every time you grill, please check these important critical points prior to lighting your grill.

- Mount is secure and grill does not move.
- Grease tray and fire pan are clean from excess drippings to reduce flare up and ensure even air flow.
- Lid is correctly positioned to operate freely and is in best position for blocking the wind.
- Venturi tube, burner, threaded burner pipe and valve orifice are free of obstructions, such as spider webs.
- Radiant plate is positioned correctly.
- Grill grate is in locked position under holding clips.
- Turbo Venturi Tube holding nut is tight & doesn't turn when rotating valve position.
- Valve is installed and locked into Turbo Venturi Tube properly.
- Sufficient fuel is available.

Cooking Tips

- The most common mistake when grilling is using too high of a heat setting. Grills become hotter as you cook, so use moderate heat settings when cooking with lid closed.
- Always keep a water spray bottle handy for flare ups and quick cooling if grill overheats.
- Coat the grill grate with vegetable or olive oil to prevent food from sticking.

Stowing Tips

- Always disconnect the fuel canister from the valve prior to stowing.
- Stow the valve and Turbo Venturi Tube in a clean, dry area to protect from corrosion to valve and spider web obstructions in venturi tube.
- Always stow by unthreading the entire grill from the L-Bracket. Do not remove the L-Bracket & Clamp unless repositioning is necessary.
- Always store propane in a sealed propane storage locker that allows leakage to vent overboard or use **Magma A10-210 Propane Storage Tote**. Never stow below decks.

MAINTENANCE

A Word About Stainless Steel: Stainless Steel, contrary to popular belief, can rust. Most commonly, deposits on the surface of the product will trap moisture. It is this moisture that robs the stainless steel of oxygen. Oxygen is the element that reacts with the stainless steel to form a protective layer of chrome oxide. Robbed of oxygen this reaction does not take place and “crevice corrosion”, or “surface rusting”, occurs. To minimize this effect, thoroughly clean your grill with products specifically designed to clean stainless steel, rinse with fresh water, and towel dry. Additionally, stainless steel that is exposed to high heat for prolonged periods will change in color and texture over time. The radiant plate, used to distribute heat evenly across the grill, does so by deflecting high heat over a large surface area. This prolonged exposure to high temperature will cause the radiant plate, burner and the inner fire pan/shell to change color. This “bluing” and later “browning” is normal and will not affect the product operation. However in time, this exposure will burn the chromium and nickel completely out of the stainless steel, and without chromium and nickel, the stainless steel material may eventually rust and need to be replaced.

Interior Stainless Steel Components: Interior stainless steel components (firepan, radiant plate & dome, grease catch pan with threaded pipe, and the burner) are subject to high temperatures, grease and food residue. The exposure to high heat will cause the interior stainless steel components to first blue, then brown. This is not a failure of the stainless steel and will not affect the operation of the product. Again, we recommend a thorough cleaning, of all internal parts, after each use. It is important to disassemble the interior components and remove any food residue. A “Scotchbrite” pad or similar product may be used in this process. For heavier burned-on stains we recommend “Easy-Off Oven & Grill Cleaner”.

Note: Unscrew the burner and you will be able to lift out the inner liner of the bowl for easier cleaning and maintenance. You will also want to remove the grease catch pan to thoroughly clean it. Once your grill is free of debris and stuck-on food residue, be sure to replace all internal parts correctly.

Burner: The round burner needs to be unscrewed and cleaned periodically. The threaded gas feed pipe and the threads on the burner also require lubrication from time to time. We recommend using WD-40 or a similar product for this purpose. This will insure easier removal of the burner in the future.

Grill Grate: We recommend that you clean the grill grate with a brass wire brush while the grill is still warm after each use. The grill grate can then be washed by hand or in a dishwasher as required.

Regulator: The threaded fitting of the combination control valve/regulator will, from time to time require lubrication. We recommend a small spray of WD-40 or similar product to keep the threads clean and well lubricated.

Grease Catch Pan: The Grease Catch Pan is designed to allow several meals (leaner cuts) to be prepared before it is necessary to take apart and clean. However, since this is the last and final place for any food residue to go. We highly recommend cleaning the Grease Catch Pan after every use and especially after preparing greasier foods. Do not allow grease drippings to build up. Once the pan is full, it can overflow.

Stowing the Grill: Fresh water, saltwater, and even damp air can cause stainless to corrode. Do not store your grill for prolonged periods in lockers, bilges, dock boxes, or any other damp area. We suggest covering your grill with a breathable material such as Sunbrella® and storing your grill in a clean, dry atmosphere. Never cover your grill with a non-breathable material as this will accelerate the potential for corrosion.

If you need any assistance with cleaning instructions, please do not hesitate contacting us at mail@MagmaProducts.com or call us at (562) 627-0500.

REPLACEMENT PARTS

P10-501
Original Size



10-151
Knob Assembly

10-152
Lid Assembly

10-253
Cooking Grill

10-466
Radiant Plate

10-657
Burner

10-258
Flame Deflector

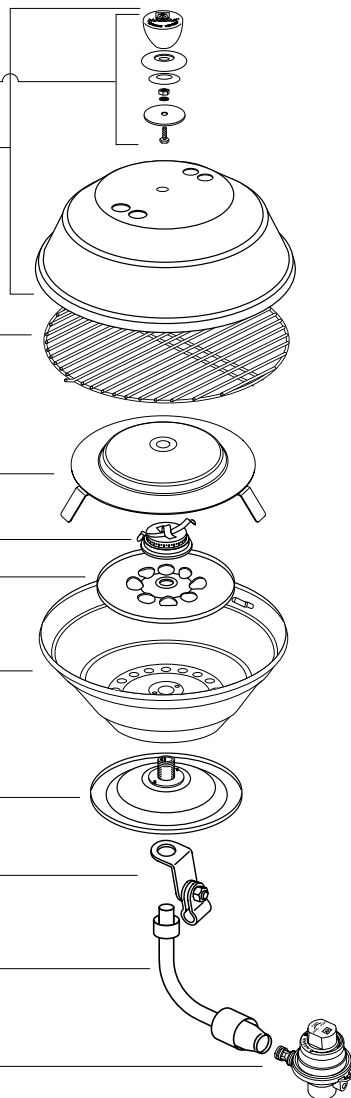
10-259
Bowl

10-161
Grease Tray

10-164
"L" Bracket &
Clamp Assembly

10-160
Turbo Venturi
Tube Assembly

10-263
Control Valve
Regulator-Type 1



TROUBLE SHOOTING GUIDE

Problem	Possible Cause	Possible Solution
Burner will not light	No gas flow	Check fuel level, replace canister or refill cylinder
	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Flare-up	Excessive cooking temperature	Operate only on low when lid is closed Reduce flame level Leave lid open Use water spray to cool
	Grease and/or residue build-up	Clean components
	Excessive fat in meats	Trim fat from cuts of meat before grilling
	Excessive oils in marinades	Use non-oil based marinades
Yellow sooty flame	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Blow-out	Flame too low	Increase flame
	Wind directly on burner	Block wind with lid. See page 5
	Obstructed gas flow	Clean burner, turbo venturi tube, and valve orifice. Remove debris/spider webs
Hot Spots	Grill not level	Level Grill. See page 4
	Grease or residue build-up	Clean components
	Excessive fat in meats	Trim fat from cuts of meat before grilling
	Excessive oil in marinades	Use non-oil based marinades

ACCESSORIES



Magma® Marine Kettle® Grill Cover/Tote Bag
Available in boating's most popular colors, in Sunbrella®

or in Magma's solution dyed acrylic fabric.
5-year guarantee against fade or mildew.



LP (Propane) Low Pressure Gas Grill Hose Kit
for on-board LPG (Propane) systems



9 Piece Stainless Steel Gourmet "Nesting" Cookware



Fish & Veggie Grill Tray
Stainless Steel Finish or Coated with Teflon® Select Non-Stick Coatings



Low Pressure Control Valves
for on-board LPG (Propane) or CNG (Natural Gas) gas systems



Stores in less than 1/2 cubic foot

Professional Grill Utensils
Grill Brush, Tongs & Spatula



Propane/Butane Canister Storage Locker/Tote Bag



9 Piece Stainless Steel Gourmet "Nesting" Cookware Coated with Teflon® Select Non-Stick Coatings



100% All 18-8 Stainless Steel Wok



"Marine Cuisine"® Grill Guide & Cookbook

See our website www.MagmaProducts.com for a complete list of accessories

LIMITED WARRANTY

Magma Products, Inc. guarantees this product to be free from defects in materials or workmanship to the original consumer. This guarantee is for the periods herein specified when used under normal and reasonable conditions, one (1) year from the date of original purchase. This warranty does not include the cost of property damage or any inconvenience due to the failure of the product. Nor does it cover damage due to misuse, abuse, accident, or damage resulting from transportation of the product. Nor does it include damage resulting from the commercial use of this product. Nor does it include, on stainless steel products, "Surface Rust," Excessive Corrosion due to exposure to salt water; or Discoloration or Corrosion caused by exposure to excessive heat or failure to properly clean and care for the stainless steel surfaces. If the product fails to operate due to a defect in materials or workmanship during the warranty period, the defective part will be repaired or replaced at Magma's option. If you wish to obtain performance under this limited warranty, you should contact Magma's Customer Service Department via telephone at (562) 627-0500, or via e-mail at mail@MagmaProducts.com, or via U.S. Postal Service mail at "Magma Products, Inc., Attention Customer Service, 3940 Pixie Ave. Lakewood, CA, 90712". The defective part, along with proof of purchase, must be returned postage prepaid to Magma Products, Inc. We suggest that you keep your purchase receipt as we may require reasonable proof of purchase.

In the state of California only, if refinishing or replacement of the product is not commercially practicable, the retailer selling the product, or Magma Products, Inc., will refund the purchase price paid for the product, less the amount directly attributable to use by the original consumer prior to the discovery of the nonconformity. In addition, in the state of California only, you may take the product to the retail establishment from which it was purchased or to any retail establishment selling this product in order to obtain performance under this warranty. All implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the express warranty periods specified herein for the parts described herein. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Neither Magma dealers, nor the retail establishment selling this product has any authority to make any warranties or to promise remedies in addition to or inconsistent with those stated above. Magma's maximum liability shall not exceed the purchase price of the product paid by the original consumer. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation exclusions may not apply to you. The warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Patent pending.



MAGMA®

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